

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 52553 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Aug 12 2014

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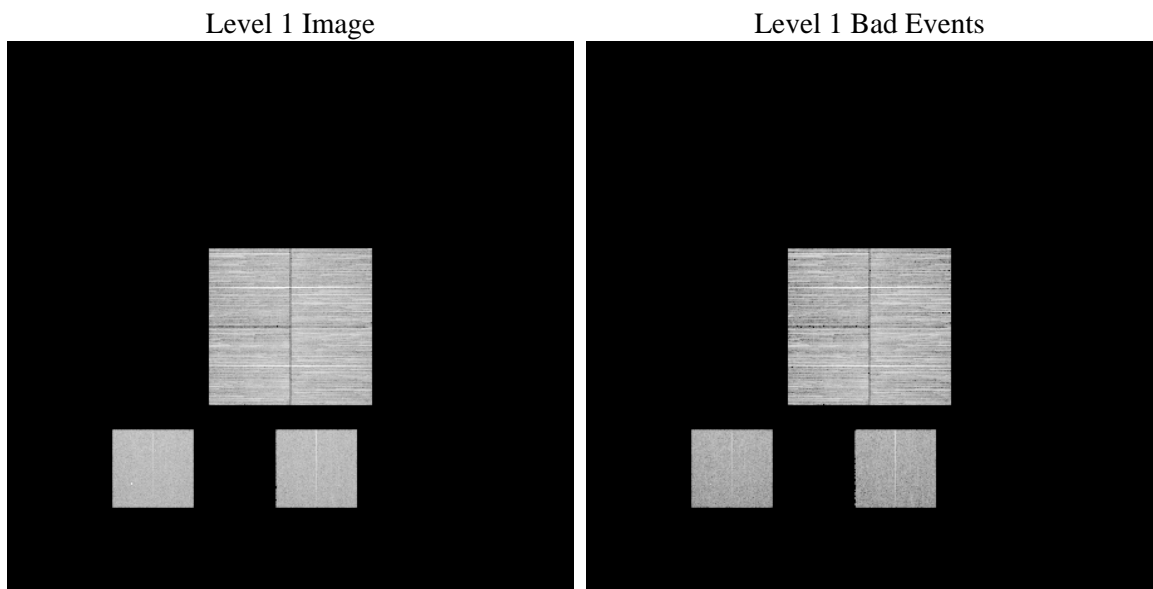
# 1 Front

seq_num	&#160	Sequence number
obs_id	52553	Observation id
title	ACIS-012357 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	335.55385498822	Nominal RA [deg]
dec_nom	-36.873391255779	Nominal Dec [deg]
roll_nom	34.597845918785	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8286.0275883079	Sum of GTIs [s]
livetime	8181.1049177379	Livetime [s]
ontime0	8182.3553872705	Sum of GTIs [s]
ontime1	8188.8785070181	Sum of GTIs [s]
ontime2	8162.9912564754	Sum of GTIs [s]
ontime3	8162.8271161914	Sum of GTIs [s]
ontime5	8287.9999691844	Sum of GTIs [s]
ontime7	8286.0275883079	Sum of GTIs [s]
l2events	195813	Number of level 2 events

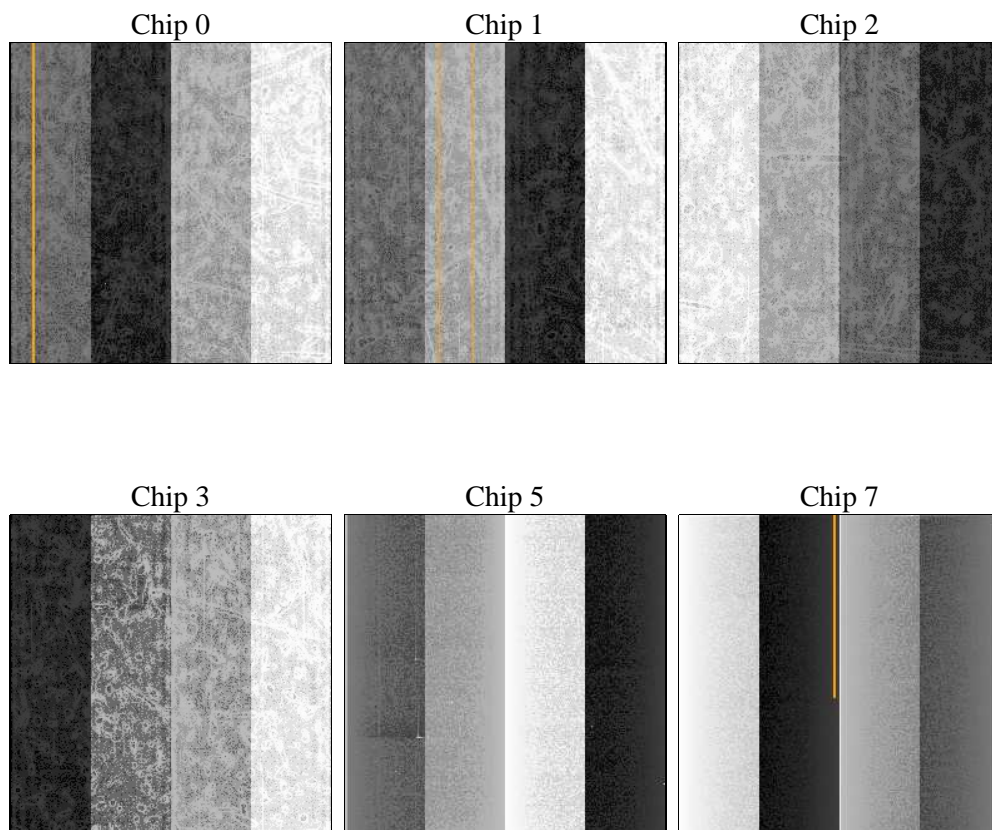
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	8286.0275883079	Sum of GTIs [s]
caldsver	4.6.2	&#160	ontime0	8182.3553872705	Sum of GTIs [s]
date	2014-08-12T04:13:23	Date and time of file creation	ontime1	8188.8785070181	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8162.9912564754	Sum of GTIs [s]
			ontime3	8162.8271161914	Sum of GTIs [s]
			ontime5	8287.9999691844	Sum of GTIs [s]
			ontime7	8286.0275883079	Sum of GTIs [s]
			l1events	804874	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	130472	140587	143914	149776	123091	117034	grade 0 events	12359	12237	12873	12980	4676	6695
rejected events	105553	115112	118791	124618	69446	65690		9%	8%	8%	8%	3%	5%
rejected %	80%	81%	82%	83%	56%	56%	grade 1 events	69	72	76	94	109	75
								0%	0%	0%	0%	0%	0%
							grade 2 events	5077	5488	4892	4842	19924	12588
								3%	3%	3%	3%	16%	10%
							grade 3 events	1724	1767	1774	1716	1954	4225
								1%	1%	1%	1%	1%	3%
							grade 4 events	1680	1718	1825	1830	1791	4138
								1%	1%	1%	1%	1%	3%
							grade 5 events	2829	2776	2658	3048	6001	7386
								2%	1%	1%	2%	4%	6%
							grade 6 events	4079	4265	3759	3790	25300	23698
								3%	3%	2%	2%	20%	20%
							grade 7 events	102655	112264	116057	121476	63336	58229
								78%	79%	80%	81%	51%	49%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	335.5538549882207	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-36.87339125577898	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	34.59784591878535	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	524154514.905388	524154513.88039			
Observation start date	2014-08-11T14:28:35	2014-08-11T14:28:33			
[s] Observation end time (MET)	524164514.805943	524164513.78094			
Observation end date	2014-08-11T17:15:15	2014-08-11T17:15:13			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2860275883079

### A.2 Comments